

Appl. No. 09/589,326
Amdt. dated July 6, 2004
Reply to Office Action of May 3, 2004

AMENDMENT OF THE CLAIMS

The listing of claims below replaces all prior versions, and listings, of claims:

1 1. (Cancelled)

1 2. (Cancelled)

1 3. (Previously Presented) The method of claim 39, further comprising
2 receiving a response to the second call request and processing the response without
3 forwarding the response to the originating device.

1 4. (Previously Presented) The method of claim 37, wherein sending the
2 response includes sending a ringing response.

1 5. (Previously Presented) The method claim 4, further comprising receiving a
2 ringing response from the first destination device without forwarding a ringing response
3 to the originating device.

1 6. (Previously Presented) The method of claim 37, wherein receiving the first
2 call request includes receiving a Session Initiation Protocol Invite request.

1 7. (Cancelled)

1 8. (Previously Presented) The method of claim 37, wherein sending the
2 response is performed by a server task.

1 9. (Previously Presented) The method of claim 8, wherein sending the
2 messaging to the first destination device is performed by a client task.

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1 10. (Previously Presented) The method of claim 9, further comprising:
2 receiving a success indication; and
3 forwarding the success indication, by a proxy, to the originating device.

1 11. (Original) The method of claim 10, wherein receiving the success
2 indication includes receiving a Session Initiation Protocol OK response.

1 12. (Cancelled)

1 13. (Cancelled)

1 14. (Previously Presented) A method of providing call processing in a
2 communications system having a packet-based network, comprising:
3 receiving, in a system, a first call request from a first device;
4 processing, in the system, the first call request and sending a response to
5 the first call request to indicate an attempt to establish a call session;
6 identifying one of plural destination devices to contact in response to the
7 call request;
8 sending a second call request to the one destination device;
9 establishing a first call between the first device and the one destination
10 device;
11 identifying another one of the plural destination devices to contact;
12 sending a first indication to the other one destination device to establish a
13 second call between the first device and the other one destination device; and
14 sending a second indication to the first device to establish the second call,
15 wherein sending the first indication includes sending a third call request.

1 15. (Original) The method of claim 14, wherein sending the second indication
2 includes sending a fourth call request.

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1 16. (Original) The method of claim 15, wherein sending the third call request
2 and sending the fourth call request comprise sending Session Initiation Protocol Invite
3 requests.

1 17. (Cancelled)

1 18. (Previously Presented) A system comprising:
2 an interface to a packet-based network; and
3 a controller adapted to receive a call request from an originating device
4 and to establish a first call between the originating device and a first device to receive
5 input data, the controller adapted to establish a second call between the originating device
6 and a second device based on the received input data,
7 wherein the first and second calls are part of one call session.

1 19. (Cancelled)

1 20. (Previously Presented) The system of claim 46, wherein the controller
2 comprises a client, a server, and a proxy.

1 21. (Original) The system of claim 20, wherein the controller comprises a
2 Session Initiation Protocol client, a Session Initiation Protocol server, and a Session
3 Initiation Protocol proxy.

1 22. (Original) An article comprising one or more storage media containing
2 instructions that when executed cause a system to:
3 process a first call request from a first device in a server mode;
4 in response to the first call request, send a second call request to a second
5 device in a client mode; and
6 process at least one message from one of the first and second devices in a
7 proxy mode.

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1 23. (Original) The article of claim 22, wherein the instructions when executed
2 cause the system to send a response to the first device in the server mode to indicate
3 processing of the first call request.

1 24. (Original) The article of claim 23, wherein the instructions when executed
2 cause the system to receive a success indication responding to the second call request.

1 25. (Original) The article of claim 24, wherein the instructions when executed
2 cause the system to process the success indication in the proxy mode.

1 26. (Original) The article of claim 25, wherein the instructions when executed
2 cause the system to forward a success indication to the first device.

1 27. (Cancelled)

1 28. (Previously Presented) The data signal of claim 51, wherein the
2 instructions when executed cause the system to exchange control signaling with the first
3 destination device in client mode.

1 29. (Previously Presented) The data signal of claim 28, wherein the
2 instructions when executed cause the system to receive the call request from the
3 originating device in server mode.

1 30. (Previously Presented) The data signal of claim 29, wherein the
2 instructions when executed cause the system to exchange further control signaling with
3 the first and second destination devices in proxy mode.

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1 31. (Original) A system capable of participating in call sessions over a packet-
2 based network, comprising:
3 a first module adapted to process a first call request from a first device in a
4 server mode;
5 a second module adapted to send a second call request to a second device
6 in a client mode in response to the first call request; and
7 a third module adapted to process at least one message from one of the
8 first and second devices in a proxy mode.

1 32. (Previously Presented) A system comprising:
2 an interface to a packet-based network to receive a call request containing
3 a callee identifier from an originating device; and
4 a controller adapted to establish a call session between the originating
5 device and a voice response device separate from the system in response to the call
6 request,
7 the controller adapted to identify one device from a group of devices
8 coupled to the packet-based network based on further information received from the
9 originating device in response to prompting from the voice response device, and
10 the controller adapted to further establish a call with the identified one
11 device.

1 33. (Cancelled)

1 34. (Cancelled)

1 35. (Original) The system of claim 32, wherein the controller is capable of
2 processing Session Initiation Protocol messages.

1 36. (Original) The system of claim 32, wherein the group of devices are
2 identifiable with the callee identifier, the controller performing one-to-many translation
3 when receiving an inbound call request containing the callee identifier.

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1 37. (Previously Presented) A method of providing call processing in a
2 communications system having a packet-based network, comprising:
3 receiving, by a system, a first call request from an originating device;
4 processing, by the system, the first call request and sending a response to
5 the first call request to indicate an attempt to establish a call session;
6 sending, by the system in response to the first call request, messaging to a
7 first one of plural destination devices to establish a first call between the originating
8 device and the first destination device to receive input from the originating device; and
9 sending, by the system in response to the received input, messaging to a
10 second one of the plural destination devices to establish a second call between the
11 originating device and the second destination device.

1 38. (Previously Presented) The method of claim 37, further comprising
2 establishing a media path between the first destination device and the originating device,
3 and establishing a media path between the second destination device and the originating
4 device.

1 39. (Previously Presented) The method of claim 37, wherein sending
2 messaging to the first destination device comprises sending a second call request to the
3 first destination device, and
4 wherein sending messaging to the second destination device comprises
5 sending a third call request to the second destination device.

1 40. (Previously Presented) The method of claim 39, further comprising
2 sending, by the system, a fourth call request to the originating device to establish the
3 second call.

1 41. (Previously Presented) The method of claim 39, wherein receiving the first
2 call request comprises receiving a first Session Initiation Protocol (SIP) Invite message,

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- 3 sending the second call request comprises sending a second SIP Invite message, and
4 sending the third call request comprises sending a third SIP Invite message.

1 42. (Previously Presented) The method of claim 39, wherein establishing the
2 first and second calls comprises establishing the first and second calls as part of one call
3 session.

1 43. (Previously Presented) The method of claim 42, further comprising:
2 the system receiving a first termination message from the first destination
3 device;
4 the system receiving a second termination message from the second
5 destination device.

1 44. (Previously Presented) The method of claim 43, wherein sending the
2 messaging to the first destination device to establish the first call is performed in response
3 to the first termination message, the method further comprising:
4 the system sending a third termination message to the originating device in
5 response to the second termination message.

1 45. (Previously Presented) The method of claim 44, wherein sending the first
2 termination message comprises sending a first Session Initiation Protocol (SIP) Bye
3 message, sending the second termination message comprises sending a second SIP Bye
4 message, and sending the third termination message comprises sending a third SIP Bye
5 message.

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1 46. (Previously Presented) A system comprising:
2 an interface to a packet-based network; and
3 a controller adapted to:
4 receive a first call request from an originating device;
5 send messaging to a first destination device in response to the first
6 call request to establish a first call between the originating device and the first destination
7 device to receive input data,
8 send messaging to a second destination device in response to the
9 received input data to establish a second call between the originating device and the
10 second destination device based on the received input data.

1 47. (Previously Presented) The system of claim 46, wherein the first call
2 request contains an address of the system, the controller to perform one-to-many address
3 translation to reach the first and second destination devices.

1 48. (Previously Presented) The system of claim 46, wherein the messaging to
2 the first destination device comprises a second call request, and wherein the messaging to
3 the second destination device comprises a third call request.

1 49. (Previously Presented) The system of claim 48, wherein the controller is
2 adapted to further send a fourth call request to the originating device to establish the
3 second call.

1 50. (Previously Presented) The system of claim 48, wherein the first call
2 request comprises a first Session Initiation Protocol (SIP) Invite message, the second call
3 request comprises a second SIP Invite message, and the third call request comprises a
4 third SIP Invite message.

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1 51. (Previously Presented) A data signal embodied in a carrier wave and
2 containing instructions that when executed cause a system to:
3 receive a first call request from an originating device;
4 send, in response to the first call request, a second call request to a first
5 one of plural destination devices to establish a first call between the originating device
6 and the first destination device to receive input from the originating device; and
7 send, in response to the received input, a third call request to a second one
8 of the plural destination devices to establish a second call between the originating device
9 and the second destination device.

1 52. (Previously Presented) The data signal of claim 51, wherein receiving the
2 first call request comprises receiving a first Session Initiation Protocol (SIP) Invite
3 message, sending the second call request comprises sending a second SIP Invite message,
4 and sending the third call request comprises sending a third SIP Invite message.

1 53. (Previously Presented) The data signal of claim 51, wherein the
2 instructions when executed cause the system to further send a fourth call request to the
3 originating device to establish the second call.

1 54. (Previously Presented) The data signal of claim 51, wherein establishing
2 the first and second calls comprises establishing the first and second calls as part of one
3 call session.

1 55. (Previously Presented) The data signal of claim 51, wherein the
2 instructions when executed cause the system to further:
3 receive a first termination message from the first destination device;
4 receive a second termination message from the second destination device.

1 56. (New) The data signal of claim 55, wherein sending the second call
2 request to the first destination device to establish the first call is performed in response to

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3 the first termination message, the instructions when executed causing the system to
4 further:
5 send a third termination message to the originating device in response to
6 the second termination message.

1 57. (Previously Presented) The data signal of claim 56, wherein sending the
2 first termination message comprises sending a first Session Initiation Protocol (SIP) Bye
3 message, sending the second termination message comprises sending a second SIP Bye
4 message, and sending the third termination message comprises sending a third SIP Bye
5 message.